

REPLACEMENT SHEET



FIG. 1

layer two data center network

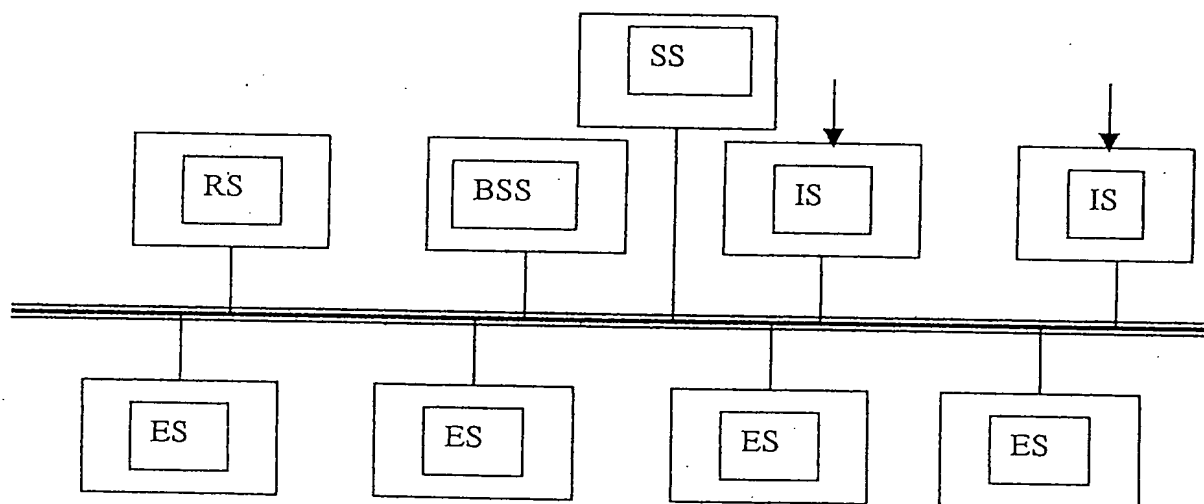
ES: End System

IS: Intermediate System

SS: Control System

BSS: Backup Supervisor System

RS: Radius Server used for Authentication, Authorization, and Accounting (AAA)



REPLACEMENT SHEET



FIG. 2(a)

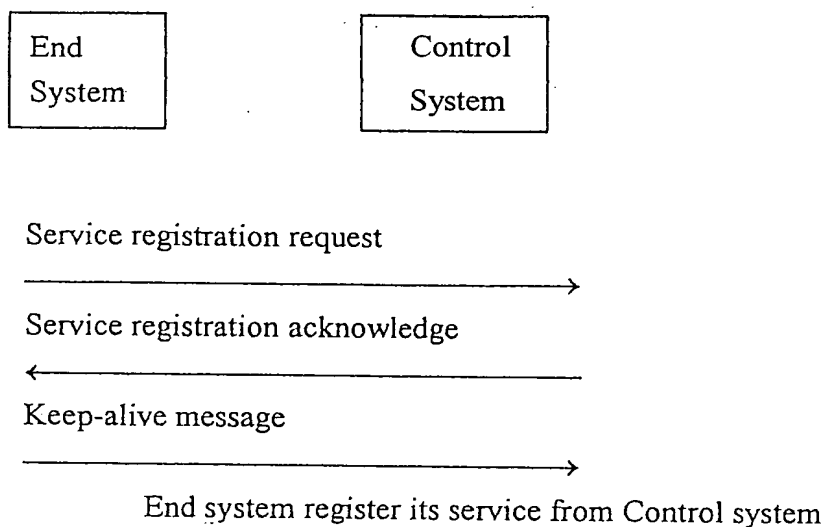
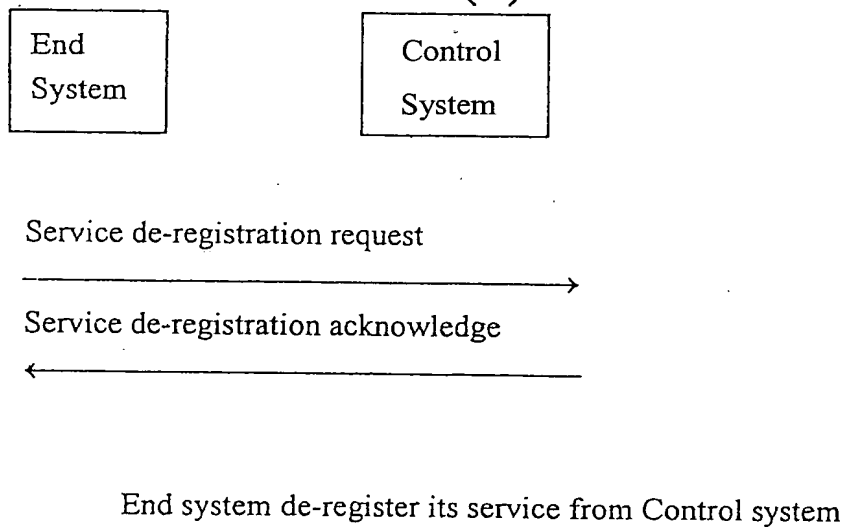


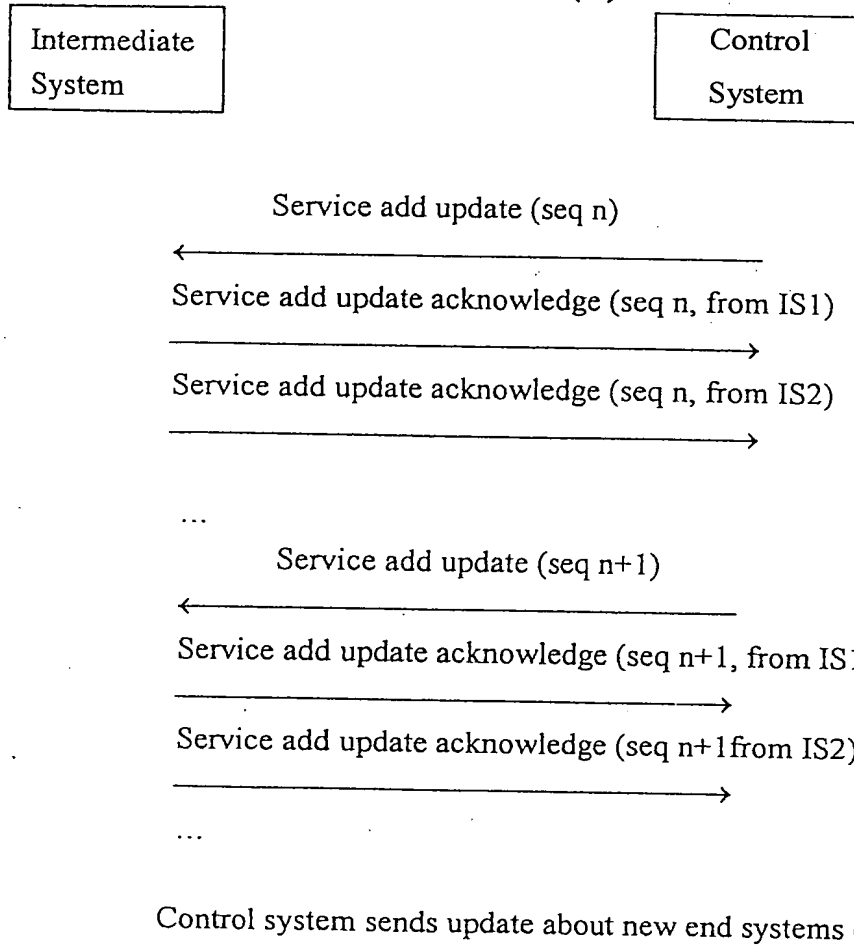
FIG. 2(b)





REPLACEMENT SHEET

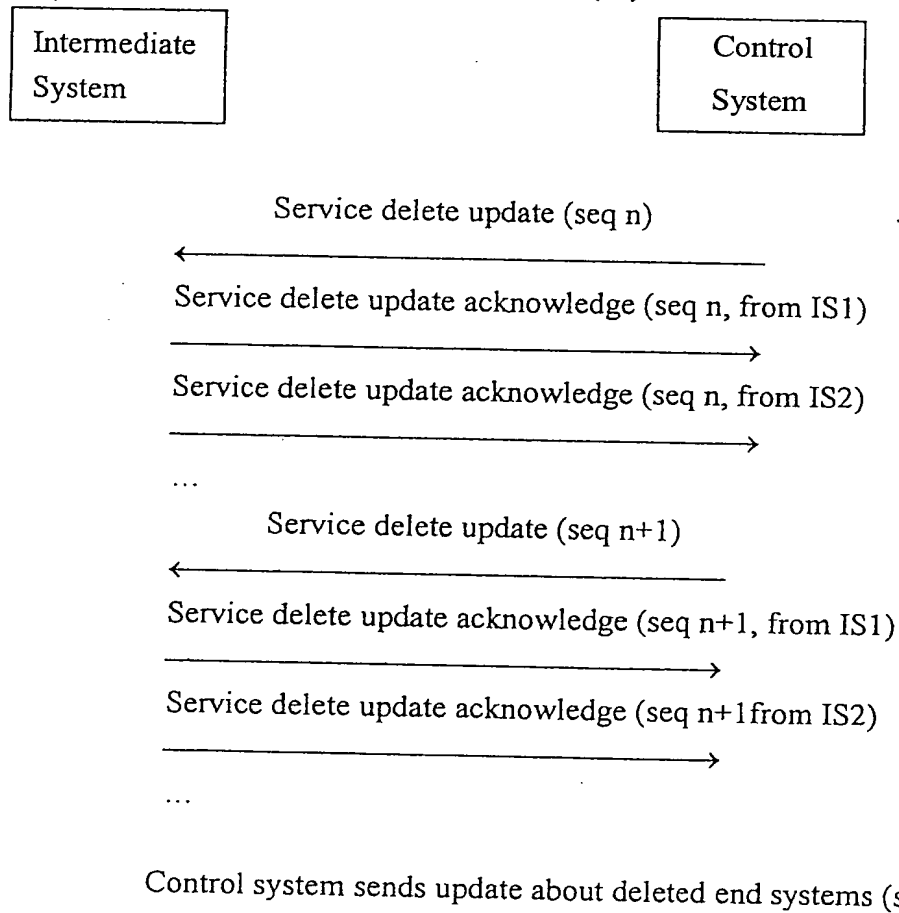
FIG. 3(a)



REPLACEMENT SHEET



FIG. 3(b)



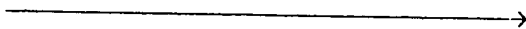
REPLACEMENT SHEET



FIG. 3(c)



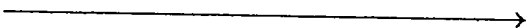
Service update request



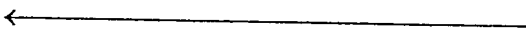
Service add update (1st update, seq n)



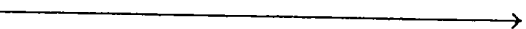
Service add update acknowledge (seq n)



Service add update (2nd update, seq n+1)



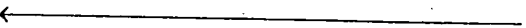
Service add update acknowledge (seq n+1)



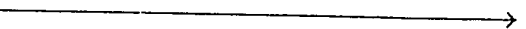
...

...

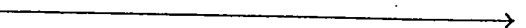
Service add update (last update, seq n+x)



Service add update acknowledge (seq n+x)



Keep-alive message



New intermediate system (possible an end system too) retrieve the server list for a specific type of service

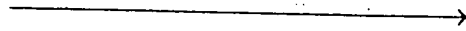
REPLACEMENT SHEET



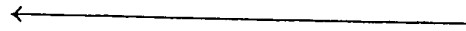
FIG. 5



Flow advertisement message



Flow advertisement acknowledge

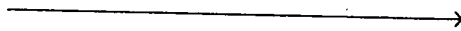


Flow advertised by an end system

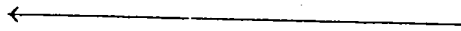
FIG. 6



Assigned number request



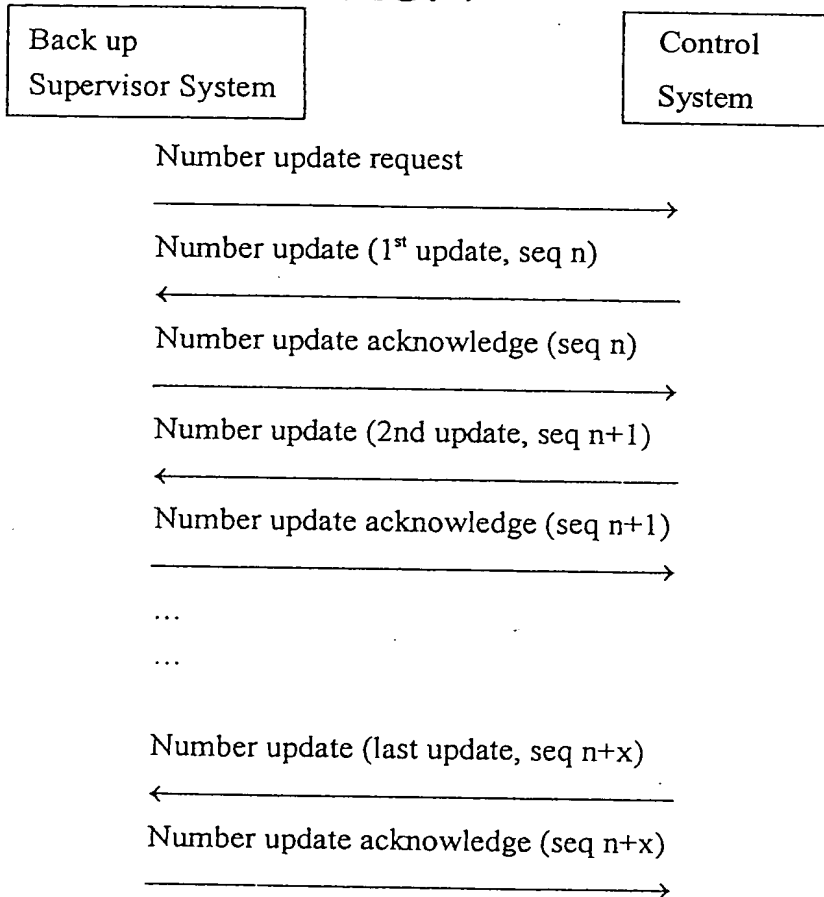
Assigned number reply



Request number(s) from centrally controlled number server (CS)

REPLACEMENT SHEET

FIG. 7



New back up control system to retrieve the assigned number list from
Primary control system